

## ABSTRACT

### **Calibration Techniques in Flying Spot Scanners and Telecine Machines**

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A method of calibrating the light system in a flying spot scanner or telecine machine using a cathode ray tube light source and a photosensitive detector, wherein at a first level of light transmitted to the photosensitive detector a control signal to the photosensitive detector is adjusted to obtain a predetermined video signal, and the value of the control signal is noted; at a plurality of other levels of light transmitted to the photosensitive detector, the control signal to the photosensitive detector is adjusted to obtain the predetermined video signal, and the values of the respective control signals are noted; and a lookup table is created of calibration values for different levels of light, so that during normal operation of the telecine machine values in the table can be used to obtain calibration information for different levels of light transmitted to the photosensitive detector.

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